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Attorney Docket No. 02307Z-085810US

DECLARATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: OPTICAL AMPLIFICATION OF MOLECULAR INTERACTIONS USING LIQUID CRYSTALS, the specification of which ___ is attached hereto or X was filed on July 31, 1998 as Application No. 09/127,382 and was amended on ___ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign applications(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

| Country | Application No. | Date of Filing | Priority Claimed Under 35 USC 119 |
|---------|-----------------|----------------|--------------------------------------|
| | | | Yes _ No _ |
| | | | Yes _ No _ |

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

| Application No. | Filing Date |
|-----------------|-------------|
| | |
| | |

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| Application No. | Date of Filing | Status |
|-----------------|----------------|---|
| 09/092,453 | June 5, 1998 | _ Patented <u>X</u> Pending _ Abandoned |
| | | _ Patented _ Pending _ Abandoned |

| | | | | |
|-------------------------|---|--|---|------------------------------------|
| Full Name of Inventor 1 | Last Name Abbott | First Name Nicholas | Middle Name or Initial L. | |
| Residence & Citizenship | City Davis MADISON | State/Foreign Country California WISCONSIN | Country of Citizenship Australia | |
| Post Office Address | Post Office Address 3741 Modoc Place 2635 CHAMBERLAIN AVE. | City Davis MADISON | State/Country California WI | Zip Code 53705 956167 |
| Full Name of Inventor 2 | Last Name Skaife | First Name Justin | Middle Name or Initial J. | |
| Residence & Citizenship | City Lafayette | State/Foreign Country California | Country of Citizenship U.S.A. | |
| Post Office Address | Post Office Address 55 Silverwood Drive | City Lafayette | State/Country California | Zip Code 94549 |
| Full Name of Inventor 3 | Last Name Gupta | First Name Vinay | Middle Name or Initial K. | |
| Residence & Citizenship | City Urbana | State/Foreign Country Illinois | Country of Citizenship India | |
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| Full Name of Inventor 4 | Last Name Dubrovsky | First Name Timothy | Middle Name or Initial B. | |
| Residence & Citizenship | City Flemington | State/Foreign Country New Jersey | Country of Citizenship Russia | |
| Post Office Address | Post Office Address 716 Reed Court | City Flemington | State/Country New Jersey | Zip Code 08822 |
| Full Name of Inventor 5 | Last Name Shah | First Name Rahul | Middle Name or Initial | |
| Residence & Citizenship | City Davis Madison | State/Foreign Country California Wisconsin | Country of Citizenship U.S.A. | |
| Post Office Address | Post Office Address 300 Solano Park Circle, Apartment 12-C 502 EAGLE HTS #A | City Davis Madison | State/Country California WI | Zip Code 95616 53705 |

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| | | |
|--|--|--|
| Signature of Inventor 1 <i>N. Abbott</i> Nicholas L. Abbott | Signature of Inventor 2 <i>Justin J. Skaife</i> Justin J. Skaife | Signature of Inventor 3 <i>Vinay K. Gupta</i> Vinay K. Gupta |
| Date <i>Sept 9, 1998</i> | Date | Date <i>Sept. 14, 1998</i> |
| Signature of Inventor 4 <i>Timothy B. Dubrovsky</i> Timothy B. Dubrovsky | Signature of Inventor 5 <i>Rahul Shah</i> Rahul Shah | Signature of Inventor 6 <i>Gu 1/4/98</i> |
| Date <i>Sept. 15, 1998</i> | Date <i>09/17/98</i> | Date <i>9.18.98</i> |

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Atty. Docket No. 02307J-069910

UC Case No. 98-207-2

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION

Applicant or Patentee: Nicholas L. Abbott, et al.Application or Patent No.: 09/127,382Filed or Issued: July 31, 1998Title: OPTICAL AMPLIFICATION OF MOLECULAR INTERACTIONS USING LIQUID CRYSTALS

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

Name of Nonprofit Organization: The Regents of the University of CaliforniaAddress of Nonprofit Organization: 1111 Franklin Street, 12th FloorType of Nonprofit Organization: Oakland, CA 94607-5200

- ☒ University or other institution of higher education
☒ Tax exempt under Internal Revenue Service Code [26 USC 501(a) and 501(c)(3)]
☐ Nonprofit scientific or educational under statute of state or the United States of America
(Name of state _____)
(Citation of statute _____)
☐ Would qualify as tax exempt under Internal Revenue Service Code [26 USC 501(a) and 501(c)(3)] if located in the United States of America
☐ Would qualify as nonprofit scientific or educational under statute of state of the United States of America if located in the United States of America
(Name of state _____)
(Citation of statute _____)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees to the United States Patent and Trademark Office regarding the invention, entitled OPTICAL AMPLIFICATION OF MOLECULAR INTERACTIONS USING LIQUID CRYSTALS by inventor(s) Nicholas L. Abbott, Justin J. Skaife, Vinay K. Gupta, Timothy B. Dubrovsky, and Rahul Shah described in:

- ☐ the specification filed herewith.
☒ Application No. 09/127,382, filed July 31, 1998.
☐ Patent No. _____, issued _____.

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization regarding the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights in the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern that would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

Name N/A

Address _____

☐ Individual ☐ Small Business Concern ☐ Nonprofit Organization

Name N/A

Address _____

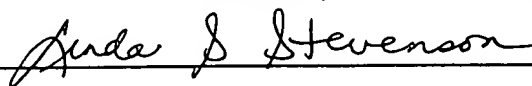
☐ Individual ☐ Small Business Concern ☐ Nonprofit Organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Person Signing: Linda S. Stevenson
Title in Organization of Person Signing: Principal Prosecution Analyst
Address of Person Signing: 1111 Franklin Street, 5th Floor
Oakland, CA 94607-5200

Signature _____

Date September 21, 1998

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231,

on

October 8, 1998

TOWNSEND and TOWNSEND and CREW

By Debra A DeBello
Debra Ann DeBello

Attorney Docket No. 02307Z-085810US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

ABBOTT et al.

Serial No.: 09/127,382

Filed: July 31, 1998

For: OPTICAL AMPLIFICATION OF
MOLECULAR INTERACTIONS
USING LIQUID CRYSTALS

)
)
) Examiner: Unknown

)
) Art Unit: 2871

)
) Batch No: F87

)
) NOTICE TO CHANGE INVENTOR
) ADDRESSES
)

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

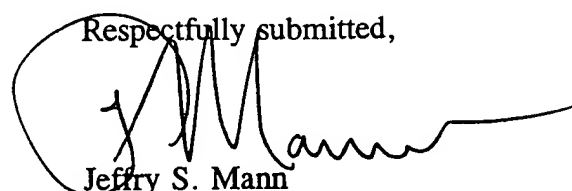
Please change three of the inventors' addresses as follows:

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Respectfully submitted,


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